



HAYES STRUCTURAL
Consulting & Design, PLLC

NC FIRM LICENSE NO.: P-2854
1991 EDDIE HOWARD ROAD | WILLOW SPRING, NC 27592
ZACH@HAYESSTRUCTURAL.COM | (919) 210-3480

Date: September 20, 2024

To: Tyler Appel
Drees Homes
8521 Six Forks Road, Suite 500
Raleigh, NC 27615

Re: 24-FTG-149
Footing Inspection
Lot 34 Tobacco Road
50 Looping Court
Angier, NC 27501
Permit No.: SFD2408-0116

Mr. Appel:

At the footing contractor's request, a site visit was made to the above referenced single family residence under construction to inspect the footings prior to concrete placement.

The bottom of the footings was inspected and firm residual sand and sandy clay was encountered at depths ranging from one to four feet below grade. Several sections of the continuous wall footing were over-excavated to remove stumps and soft soil. The rear left corner of the continuous wall footing was over-excavated per my direction to remove soft, saturated soil resulting from a high water table due to recent heavy rainfall. The over-excavated sections may have concrete placed at an increased thickness in lieu of washed stone replacement. The soil at the bottom of the footings will provide the minimum required bearing capacity of two thousand pounds per square foot.

Third party inspection revealed the footings for the single family residence were excavated per the approved plans with all concrete depths and step downs set correctly. The 24"x24"x8" footings excavated for the rear porch/deck in lieu of sonotube footings per plan are adequate. The footings are in conformance with Chapter 4 of the 2018 North Carolina Residential Code and are suitable for concrete placement.

Please call me if you have any questions.

Respectfully submitted,

Zachary H. Hayes, PE
Owner/Structural Engineer
Hayes Structural Consulting & Design, PLLC



Digitally signed
by Zachary H.
Hayes, PE
Date: 2024.09.20
07:12:56 -04'00'

Harnett COUNTY INSPECTIONS DEPARTMENT

3RD PARTY INSPECTION FORM

RECORD OF THE INSPECTION OF A COMPONENT OR ELEMENT BY A NC LICENSED ARCHITECT OR ENGINEER

Project Information:

Residential Single Family Project: Y N Commercial Project: Y N
Code Enforcement Project No.: Permit No.: **SFD2408-0116**
Project Name: **Lot 34 Tobacco Road** Owner: **Drees Company**
Project Address: **50 Looping Ct. Angier, NC 27501** Suite No.:
Date Inspected: **9/17/2024** Contractor Name: **Drees Homes**
Component Inspected: **crawl space and rear porch/deck footings**

Responsible Licensed NC Architect or NC Engineer

Name: **Zachary H. Hayes, PE**
Firm Name: **Hayes Structural Consulting & Design, PLLC**
Phone No.: Office **N/A** Mobile **(919) 210-3480**
Email Address: **zach@hayesstructural.com**
Mailing Address: **1991 Eddie Howard Rd. Willow Spring, NC 27592**

APPLICABLE CODE SECTION: 2018 NCRC

2018 NCBC = 2018 NC Building Code; 2018 NCRC = 2018 NC Residential Code

Describe Element/Component/Type of Inspection: *

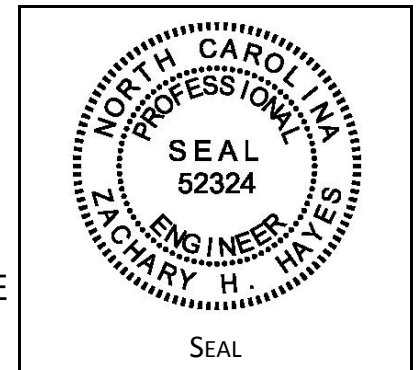
Inspection of footings prior to concrete placement to verify excavation per approved plan and in compliance with 2018 NCRC. See sealed letter for additional information.

*(subgrade form/letter may also be required) Attestation/Signature:

By signing below, I certify that the component and/or element of the building as identified on this form has been inspected by me or someone under my direct supervision per subsection (b2) of NC G.S. 153A-352 and is in compliance with the Code or other proposal of the architect or engineer for the project. This inspection is in compliance with all of the requirements of the above referenced Code. Attach any additional documents if needed.

LICENSED ARCHITECT OR ENGINEER

Digitally signed by
Zachary H. Hayes, PE
Date: 2024.09.20
07:13:15 -04'00'



Inspection Department disclaimer:

Upon the receipt of a signed written document as required under subsection (a) of Article 160A-413.5., Code Enforcement shall be discharged and released from any liabilities, duties and responsibilities imposed by this article or in common law from any claim arising out of or attributed to the component or element in the construction of the building for which the signed written document was submitted. Be aware that this inspection will be noted in all inspection records including the Certificate of Occupancy or Certificate of Compliance. This inspection does not address any local ordinances or zoning requirements.